

Claim Amendments

This listing of the claims will replace all prior versions, and listings, of claims in the application:

Claim 1 (currently amended): A device for inspecting submersed plant parts, comprising:

a free floating remote-controlled underwater diving vehicle having drives disposed thereon for approaching different inspection positions, an end face and a longitudinal central axis perpendicular to said end face;

a carrier pivotally mounted at said end face exclusively about a pivot axis oriented parallel to said longitudinal central axis of said underwater vehicle; and

a holding device for an inspection head mounted to said carrier at a spacing distance from said pivot axis.

Claim 2 (original): The device according to claim 1, wherein said underwater vehicle is configured for inspection of plant parts in a core baffle of a nuclear reactor pressure vessel.

Claim 3 (original): The device according to claim 1, wherein said holding device is configured for holding an inspection

head for ultrasonic inspection of screws in a core baffle of a nuclear reactor pressure vessel.

Claim 4 (original): The device according to claim 1, wherein said carrier is balanced such that, when the test head is mounted to said carrier, substantially no torque acting on said carrier about said pivot axis is exerted by a force of gravity irrespective of a pivoting position of the inspection head.

Claim 5 (original): The device according to claim 1, wherein said pivot axis is disposed at a spacing from said longitudinal central axis.

Claim 6 (original): The device according to claim 5, wherein said pivot axis is disposed at an edge of said underwater vehicle.

Claim 7 (original): The device according to claim 6, wherein a location of said pivot axis on said underwater vehicle and a spacing of said holding device from said pivot axis are coordinated with one another such that the inspection head can be brought into mutually opposite positions that project over a lateral edge of said underwater vehicle.

Claim 8 (original): The device according to claim 6, wherein a location of said pivot axis on said underwater vehicle and a spacing of said holding device from said pivot axis are coordinated with one another such that the inspection head can be brought into mutually opposite positions in a vicinity of or projecting beyond a lateral edge of said underwater vehicle.

Claim 9 (original): The device according to claim 1, which comprises a multiplicity of support elements on said carrier and disposed in a circumferential direction about said pivot axis and spaced apart from one another in the circumferential direction.

Claim 10 (original): The device according to claim 1, which comprises a universal joint mounting the inspection head in said holding device.

Claim 11 (original): The device according to claim 1, wherein said carrier comprises a ring having a center on said pivot axis, said ring is fixed on a shaft of a first rotary drive with at least one radial spoke.

Claim 12 (original): The device according to claim 1, wherein said carrier is an optically transparent disc.

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Claim 13 (original): The device according to claim 1, wherein the inspection head is rotatably mounted in said holding device about a central axis extending parallel to said pivot axis.